

## 2018 Current Fiscal Year Report: Defense Science Board

Report Run Date: 06/05/2019 05:41:42 AM

### 1. Department or Agency

Department of Defense

### 2. Fiscal Year

2018

### 3. Committee or Subcommittee

Defense Science Board

### 3b. GSA Committee No.

414

### 4. Is this New During Fiscal Year?

No

### 5. Current Charter

05/06/2018

### 6. Expected Renewal Date

05/06/2020

### 7. Expected Term Date

### 8a. Was Terminated During Fiscal Year?

No

### 8b. Specific Termination Authority

### 8c. Actual Term Date

### 9. Agency Recommendation for Next Fiscal Year

Continue

### 10a. Legislation Req to Terminate?

No

### 10b. Legislation Pending?

Not Applicable

### 11. Establishment Authority Agency Authority

### 12. Specific Establishment Authority

Secretary of Defense Determination

### 13. Effective Date

06/26/1978

### 14. Committee Type

Continuing

### 14c. Presidential?

No

### 15. Description of Committee Scientific Technical Program Advisory Board

### 16a. Total Number of Reports

9

### 16b. Report Date

#### Report Title

02/14/2018 Design and Acquisition of Software for Defense Systems

05/01/2018 Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction - Executive Summary

06/01/2018 Countering Anti-Access Systems with Longer Range and Standoff Capabilities (2017 Summer Study) - Executive Summary

06/01/2018 Cyber as a Strategic Capability

06/01/2018 2017 Summer Study on Long Range Effects

06/01/2018 Cyber as a Strategic Capability

[2017 Summer Study on Long Range Effects]

[Task Force on Cyber as a Strategic Capability]

02/01/2018	Design and Acquisition of Software for Defense Systems	[Task Force on Design and Acquisition of Software for Defense Systems]
02/14/2018	Design and Acquisition of Software for Defense Systems	[Task Force on Design and Acquisition of Software for Defense Systems]
05/01/2018	Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction	[Task Force on Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction]

#### Number of Committee Reports Listed: 9

**17a. Open 0 17b. Closed 34 17c. Partially Closed 0 Other Activities 0 17d. Total 34**

#### Meetings and Dates

Purpose	Start	End
Multi Domain Effects Task Force Meeting.	10/10/2017	- 10/11/2017
NLCC Task Force Meeting.	10/11/2017	- 10/12/2017
Survivable Logistics Task Force Meeting.	10/18/2017	- 10/19/2017
Homeland Defense Task Force Meeting.	10/24/2017	- 10/25/2017
DSB Fall Quarterly Meeting.	11/01/2017	- 11/02/2017
NLCC Task Force Meeting.	01/17/2018	- 01/18/2018
Survivable Logistics Task Force Meeting.	01/17/2018	- 01/18/2018
Biology Task Force Meeting.	02/05/2018	- 02/06/2018
Winter Quarterly Meeting.	02/08/2018	- 02/08/2018
Survivable Logistics Task Force Meeting.	02/15/2018	- 02/16/2018
Homeland Defense Task Force Meeting.	02/21/2018	- 02/22/2018
NLCC Task Force Meeting.	02/27/2018	- 02/28/2018
MDE Task Force Meeting.	03/01/2018	- 03/02/2018
Biology Task Force Meeting.	03/20/2018	- 03/21/2018
Survivable Logistics Task Force Meeting.	03/20/2018	- 03/21/2018
NLCC Task Force Meeting.	03/28/2018	- 03/29/2018
MDE task force meeting.	04/02/2018	- 04/03/2018
NLCC Task Force Meeting.	04/17/2018	- 04/18/2018
Biology Task Force Meeting.	04/17/2018	- 04/18/2018
Survivable Logistics Task Force Meeting	04/18/2018	- 04/19/2018
DSB Spring Quarterly	05/16/2018	- 05/17/2018
NLCC Meeting.	05/23/2018	- 05/24/2018
MDE Task Force Meeting.	06/04/2018	- 06/05/2018
Biology Task Force Meeting.	06/11/2018	- 06/12/2018
NLCC Meeting.	06/11/2018	- 06/15/2018
Strategic Surprise Meeting.	06/27/2018	- 06/28/2018
MDE Task Force Meeting.	07/02/2018	- 07/03/2018
Survivable Logistics Task Force Meeting #11.	07/17/2018	- 07/17/2018
Strategic Surprise Meeting	07/18/2018	- 07/19/2018
Biology Task Force Meeting.	07/23/2018	- 07/24/2018
2018 Summer Study Meeting	08/05/2018	- 08/10/2018
Biology Task Force Meeting.	08/23/2018	- 08/24/2018
MDE Task Force Meeting.	09/06/2018	- 09/07/2018
Biology Task Force Meeting.	09/20/2018	- 09/21/2018

**Number of Committee Meetings Listed: 34**

**Current FY      Next FY**

<b>18a(1). Personnel Pmts to Non-Federal Members</b>	\$0.00	\$0.00
<b>18a(2). Personnel Pmts to Federal Members</b>	\$0.00	\$707,956.00
<b>18a(3). Personnel Pmts to Federal Staff</b>	\$1,098,343.00	\$526,962.00
<b>18a(4). Personnel Pmts to Non-Member Consultants</b>	\$0.00	\$0.00
<b>18b(1). Travel and Per Diem to Non-Federal Members</b>	\$368,747.00	\$300,000.00
<b>18b(2). Travel and Per Diem to Federal Members</b>	\$0.00	\$0.00
<b>18b(3). Travel and Per Diem to Federal Staff</b>	\$12,363.00	\$13,508.00
<b>18b(4). Travel and Per Diem to Non-member Consultants</b>	\$0.00	\$0.00
<b>18c. Other(rents,user charges, graphics, printing, mail, etc.)</b>	\$1,716,392.00	\$1,716,392.00
<b>18d. Total</b>	\$3,195,845.00	\$3,264,818.00
<b>19. Federal Staff Support Years (FTE)</b>	8.00	9.00

**20a. How does the Committee accomplish its purpose?**

Numerous management and programmatic changes adopted by OSD and the Military Departments are based on recommendations provided in DSB reports. Upon issuance of a report, the Board will also brief interested federal officials regarding the findings and recommendations.

**20b. How does the Committee balance its membership?**

The Defense Science Board, composed of members designated from civilian life by the Under Secretary of Defense for Research and Engineering, makes recommendations on issues in areas such as scientific, technical, manufacturing, and matters of special interest to the Department of Defense. The Board is comprised of a balanced group of senior appointees representing a broad spectrum of the industrial, manufacturing, academic, and scientific communities who are recognized authorities in their fields of expertise. The Board consists of a core membership of 45 members augmented by ad hoc consultants who serve as special government employees on designated Task Forces, and non voting members who serve as chairs of various advisory boards.

**20c. How frequent and relevant are the Committee Meetings?**

The Board meets three to four times per year. The majority of indepth investigation is accomplished by DSB Task Forces which usually meet once a month to accumulate data for the final report. The Task Forces are chartered by a Terms of Reference issued by USD(R&E).

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

The Secretary of Defense determined that the independent advice on broad scientific and

technical issues provided by the Board cannot be obtained from any other DoD advisory committee.

## **20e. Why is it necessary to close and/or partially closed committee meetings?**

Meetings are not closed to the public unless the DoD determines the items on the planned agenda meet the closed meeting provisions of Title 5 U.S.C., Section 552b(c). Pursuant to DoD policy closed meetings can only be authorized by the DoD Sponsor, the Under Secretary of Defense for Research and Engineering, and only after consultation with the Office of the DoD General Council .

## **21. Remarks**

The following five DSB task forces were initiated in FY 2018: - Counter-Autonomy - Counter-Intelligence - Space Control - Quantum -Gaming, Exercising, Modeling, and Simulation Appointment and renewal paperwork for all expired or expiring subcommittee appointments is in progress. All costs associated with the Board and Subcommittees are detailed in the overall Costs section of the ACR. Department of Defense (DoD) policy between fiscal year 2007 and 2011 required that subcommittee members be listed separately in the subcommittee section of GSA's Database, even if they were duly appointed members of the parent committee. This policy, in some instances, caused a duplication of entries. Beginning in fiscal year 2012, DoD began only listing in the subcommittee section of GSA's Database those who are appointed to just a subcommittee. If an individual is appointed to the parent committee and to one of the committee's authorized subcommittees then his or her affiliation will be reflected in the parent committee membership section of GSA's Database.

## **Designated Federal Officer**

Kevin A Doxey Executive Director, Defense Science Board, OUSD(AT&L), 3140 Defense Pentagon,Rm 3B888A, Washington, DC 20301-3140

Committee Members	Start	End	Occupation	Member Designation
Alving, Amy	05/17/2018	05/21/2021	Private Consultant; 2017 Summer Study - Long Range Effects; Task Force on DoD's Role in Homeland Defense	Special Government Employee (SGE) Member Special
Anastasio, Michael	02/21/2016	02/20/2020	Private Consultant; 2017 Summer Study - National Leadership Command Capability; Task Force on Weapons of Mass Destruction	Government Employee (SGE) Member Special Government
Bayer, Michael	02/15/2018	04/13/2020	Private Consultant; Capabilities for Constrained Military Operations (2016 SS)	Employee (SGE) Member

Cappuccio, Frank	05/01/2018 01/23/2021	President & CEO Cappuccio & Associates LLC; 2017 Summer Study on Long Range Effects,	Special Government Employee (SGE) Member
Carlini, James	05/16/2017 05/16/2018	James Carlini Consulting; 2017 Summer Study on Long Range Effects; Task Force on Advanced Technology; Task Force on 21st Century Multi-Domain Effects; Co-Chair, Task Force on Counter-Autonomy	Special Government Employee (SGE) Member
Carns, Michael	06/26/2018 12/23/2018	Private Consultant; Task Force on Weapons of Mass Destruction; 2017 Summer Study - National Leadership Command Capability	Special Government Employee (SGE) Member
Chakraborty, Arup	06/27/2018 07/01/2021	Institute for Medical Engineering & Science MIT; Task Force on Weapons of Mass Destruction; 2017 Summer Study - Long Range Effects	Special Government Employee (SGE) Member
Chu, David	01/02/2017 01/01/2018	President & CEO, Institute for Defense Analyses; 2017 Summer Study - Long Range Effects	Special Government Employee (SGE) Member
Coleman, Victoria	06/18/2015 06/16/2018	Sr. VP Engineering & CTO, Technicolor; 2017 Summer Study - National Leadership Command Capability; Task Force on Software Acquisition	Special Government Employee (SGE) Member
David, Ruth	01/02/2017 01/01/2018	Private Consultant; 2017 Summer Study on Long Range Effects; Task Force on Software Acquisition; Task Force on Counter-Autonomy; Co-Chair, Task Force on Modeling and Simulation	Special Government Employee (SGE) Member
Day, Christopher	05/01/2018 05/21/2021	Packet Forensics; 2017 Summer Study on National Leadership Command Capability; Task Force on Homeland Defense; Task Force on Counter-Autonomy	Special Government Employee (SGE) Member
Delaney, William	04/14/2016 04/13/2020	MIT Lincoln Laboratory; Task Force on Homeland Defense	Special Government Employee (SGE) Member
Evans, Eric	01/02/2018 04/13/2020	MIT Lincoln Laboratory; Chair, Task Force on Advanced Technology; Co-Chair, Task Force on DoD Reconsidered	Special Government Employee (SGE) Member
Fallon, William	01/02/2017 01/01/2018	Private Consultant; 2017 Summer Study on Long Range Effects	Special Government Employee (SGE) Member

Fields, Craig	01/03/2018 04/13/2020	Private Consultant; Co-Chair, Task Force on DoD Reconsidered; Chair, Task Force on Strategic Directions	Special Government Employee (SGE) Member
Gabriel, Kaigham	06/29/2016 06/28/2018	President & CEO, Draper; 2017 Summer Study on Long Range Effects	Special Government Employee (SGE) Member
Gosler, James	01/02/2018 04/13/2020	JHU/APL; Task Force on Cyber as A Strategic Capability; Task Force on Survivable Logistics; Task Force on Counter-Autonomy; 2017 Summer Study on National Leadership Command Capability	Special Government Employee (SGE) Member
Grasso, Alfred	01/02/2017 01/01/2018	MITRE Corporation; 2017 Summer Study on National Leadership Command Capability; Task Force on Counter-Autonomy	Special Government Employee (SGE) Member
Hoeper, Paul	05/17/2017 05/16/2018	Private Consultant; 2017 Summer Study on Long Range Effects; Task Force on Survivable Logistics	Special Government Employee (SGE) Member
John, Miriam	05/01/2018 04/13/2020	Private Consultant; Co-Chairman, Task Force on Weapons of Mass Destruction; Task Force on Biology; Task Force on Homeland Defense; 2017 Summer Study on National Leadership Command Capability	Special Government Employee (SGE) Member
Jones, Anita	04/14/2016 04/13/2020	University of Virginia	Special Government Employee (SGE) Member
Kaminski, Paul	05/01/2018 04/13/2020	Technovation; 2017 Summer Study Long Range Effects; Task Force on Advanced Technology; Task Force on Space Control	Special Government Employee (SGE) Member
Kerber, Ronald	01/02/2018 04/13/2020	Private Consultant; 2017 Summer Study on Long Range Effects; Task Force on Homeland Defense; Task Force on Advanced Technology	Special Government Employee (SGE) Member
Kern, Paul	01/02/2017 01/01/2018	Sr. Counselor, The Cohen Group; 2017 Summer Study on National Leadership Command Capability; Task Force on Survivable Logistics; Task Force on Weapons of Mass Destruction;	Special Government Employee (SGE) Member
LaPlante, William	07/03/2018 04/04/2020	MITRE Corporation; 2017 Summer Study on Long Range Effects; Task Force on Software Acquisition; Task Force on Advanced Technology; Task Force on Space Control	Special Government Employee (SGE) Member

Manferdelli, John	05/01/2018 02/21/2020	Principle Engineer, Google; 2017 Summer Study on National Leadership Command Capability; Task Force on Cyber as a Strategic Capability; Task Force on Software Acquisition; Task Force on Counter-Autonomy; Task Force on Quantum Technology	Special Government Employee (SGE) Member
Markowitz, Joseph	05/16/2018 12/31/2018	Private Cons.; 2017 Summer Study on National Leadership Command Capability; Task Force on Cyber as a Strategic Capability; Task Force on Homeland Defense; Task Force on Advanced Technology; Task Force on Software Acquisition	Special Government Employee (SGE) Member
Maybury, Mark	05/17/2018 12/31/2018	MITRE; 2017 Summer Study on National Leadership Command Capability; Task Force on Counter-Autonomy	Special Government Employee (SGE) Member
Miller, James	05/21/2014 05/18/2018	JHU/APL; 2017 Summer Study on Long Range Effects; Task Force on WMD; Task Force on Cyber as a Strategic Capability	Special Government Employee (SGE) Member
Miller, Judith	01/02/2017 01/01/2018	Private Consultant; 2017 Summer Study on National Leadership Command Capability; Task Force on Cyber as a Strategic Capability; Task Force on Homeland Defense	Special Government Employee (SGE) Member
Nesbit, Robert	05/17/2018 11/13/2018	Private Consultant; 2017 Summer Study on Long Range Effects; Task Force on Cyber as a Strategic Capability; Task Force on Counter-Intelligence; Task Force on Software Acquisition	Special Government Employee (SGE) Member
Nielsen, Paul	05/04/2018 05/08/2021	Dir., Software Engineering Institute; 2017 Summer Study on Long Range Effects; Task Force on Software Acquisition	Special Government Employee (SGE) Member
Rich, Michael	01/19/2016 01/18/2020	President & CEO, Rand Corporation; 2017 Summer Study on National Leadership Command Capability	Special Government Employee (SGE) Member
Russell, Mark	06/04/2018 07/05/2020	VP, Raytheon; Co-Chair, 2017 Summer Study on Long Range Effects	Special Government Employee (SGE) Member
Schneider, William	01/02/2018 04/13/2020	President, International Planning Services, Inc.; 2017 Summer Study on National Leadership Command Capability; Task Force on Advanced Technology; Task Force on Counter-Intelligence	Special Government Employee (SGE) Member
Semmel, Ralph	05/17/2018 05/21/2021	Director, JHU APL; 2017 Summer Study on National Leadership Command Capability; Task Force on Strategic Directions	Special Government Employee (SGE) Member

Shields, James	01/01/2018 05/21/2021	Private Consultant; 2017 Summer Study on National Leadership Command Capability; Task Force on Counter-Autonomy; Task Force on MILSAT	Special Government Employee (SGE) Member
Stein, Robert	04/14/2016 04/13/2020	Private Consultant; Co-Chair, 2017 Summer Study on National Leadership Command Capability; Task Force on Space Control; Task Force on Counter-Autonomy; Task Force on Software Acquisition	Special Government Employee (SGE) Member
Straw, Edward	05/23/2016 05/22/2020	Managing Partner, Osprey Venture Partners, LLC; 2017 Summer Study on Long Range Effects; Task Force on Homeland Defense; Task Force on Survivable Logistics	Special Government Employee (SGE) Member
Tegnelia, James	01/16/2017 01/15/2018	Private Consultant; 2017 Summer Study on National Leadership Command Capability; Task Force on Weapons of Mass Destruction;	Special Government Employee (SGE) Member
Van Buren, David	05/17/2018 05/21/2021	Sr VP, Corp. Bus. Strategy L-3 Comm.; 2017 Summer Study on Long Range Effects; Task Force on 21st Century Multi-Domain Effects; Task Force on Advanced Technology; Task Force on Space Control	Special Government Employee (SGE) Member
Vitto, Vincent	05/16/2018 10/10/2018	Private Consultant; 2017 Summer Study on National Leadership Command Capability; Task Force on 21st Century Multi-Domain Effects; Task Force on Counter-Autonomy	Special Government Employee (SGE) Member
Von Thaeer, Lou	01/02/2017 01/01/2018	Chief Executive Officer, DynCorp International; 2017 Summer Study on Long Range Effects; Task Force on Space Control; Task Force on Software Acquisition	Special Government Employee (SGE) Member
Whelan, David	05/21/2014 05/18/2018	VP, Engineering for Defense, Space & Security, The Boeing Corp.; Co-Chair, 2017 Summer Study on Long Range Effects; Task Force on Advanced Technology; Task Force on Space Control	Special Government Employee (SGE) Member
Wisnieff, Robert	01/02/2018 04/13/2020	Sr. Manager, IBM; 2017 Summer Study on Long Range Effects; Task Force on Software Acquisition	Special Government Employee (SGE) Member
Albright, Parney [2017 Summer Study on Long Range Effects]	01/26/2017 01/25/2018	HRL Laboratories	Special Government Employee (SGE) Member
Alving, Amy [2017 Summer Study on Long Range Effects]	05/22/2017 05/21/2021	Private Consultant	Special Government Employee (SGE) Member



Bailey, Paul [2017 Summer Study on Long Range Effects]	01/26/2017 01/25/2019 Raytheon	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Cappuccio, Frank [2017 Summer Study on Long Range Effects]	05/01/2018 01/23/2021 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Carlini, James [2017 Summer Study on Long Range Effects]	05/17/2017 05/16/2018 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Chakraborty, Arup [2017 Summer Study on Long Range Effects]	06/27/2018 07/01/2021 Massachusetts Institute of Technology (MIT)	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Chu, David [2017 Summer Study on Long Range Effects]	01/03/2017 01/02/2018 Institute for Defense Analysis	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
David, Ruth [2017 Summer Study on Long Range Effects]	01/03/2017 01/02/2018 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Fallon, William [2017 Summer Study on Long Range Effects]	01/03/2017 01/02/2018 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Feder, Aryeh [2017 Summer Study on Long Range Effects]	01/26/2017 01/25/2019 MIT Lincoln Labs	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Gabriel, Ken [2017 Summer Study on Long Range Effects]	06/29/2016 06/28/2020 Draper Laboratory	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Gerber, Andrew [2017 Summer Study on Long Range Effects]	06/29/2016 06/28/2020 GTRI	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Hoeper, Page [2017 Summer Study on Long Range Effects]	01/11/2014 04/16/2019 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member

Kaminski, Paul [2017 Summer Study on Long Range Effects]	05/01/2018 04/13/2020 Technovation, Inc.	Special Government Employee (SGE) Member
Kerber, Ronald [2017 Summer Study on Long Range Effects]	06/01/2001 04/13/2020 Private Consultant	Special Government Employee (SGE) Member
LaPlante, William [2017 Summer Study on Long Range Effects]	07/05/2016 07/04/2020 The MITRE Corporation	Special Government Employee (SGE) Member
Miller, James [2017 Summer Study on Long Range Effects]	01/11/2014 04/16/2019 JHU Applied Physics Laboratory	Special Government Employee (SGE) Member
Munson, Alden [2017 Summer Study on Long Range Effects]	01/26/2017 01/25/2019 Private Consultant	Special Government Employee (SGE) Member
Nesbit, Robert [2017 Summer Study on Long Range Effects]	01/12/2017 01/11/2019 Private Consultant	Special Government Employee (SGE) Member
Nielson, Paul [2017 Summer Study on Long Range Effects]	05/04/2018 05/08/2021 CMU Software Engineering Institute (SEI)	Special Government Employee (SGE) Member
Reinke, Eric [2017 Summer Study on Long Range Effects]	01/26/2017 01/25/2019 Northrop Grumman	Special Government Employee (SGE) Member
Russell, Mark [2017 Summer Study on Long Range Effects]	07/06/2016 07/05/2020 Raytheon	Special Government Employee (SGE) Member
Schall, Harold [2017 Summer Study on Long Range Effects]	01/26/2017 01/25/2019 Boeing	Special Government Employee (SGE) Member
Semmel, Ralph [2017 Summer Study on Long Range Effects]	05/22/2013 05/21/2021 JHU Applied Physics Laboratory	Special Government Employee (SGE) Member

Straw, Edward [2017 Summer Study on Long Range Effects]	05/23/2012 05/22/2020 Osprey Venture Partners	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Trebes, James [2017 Summer Study on Long Range Effects]	01/26/2017 01/25/2019 Lawrence Livermore National Laboratory	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Van Buren, David [2017 Summer Study on Long Range Effects]	05/22/2013 05/21/2021 L-3	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Venturino, Lee [2017 Summer Study on Long Range Effects]	01/26/2017 01/25/2019 First Principles	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Viera, Marc [2017 Summer Study on Long Range Effects]	01/26/2017 01/25/2019 MIT Lincoln Laboratory	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Von Thaer, Lewis [2017 Summer Study on Long Range Effects]	01/03/2017 01/02/2018 DynCorp International	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Whelan, David [2017 Summer Study on Long Range Effects]	01/11/2014 06/05/2019 Boeing	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
White, Michael [2017 Summer Study on Long Range Effects]	01/26/2017 01/25/2019 JHU Applied Physics Laboratory	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Wisnieff, Robert [2017 Summer Study on Long Range Effects]	02/28/2008 04/13/2020 IBM	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Anastacio, Michael [2017 Summer Study on National Leadership Command Capability]	02/21/2012 02/20/2020 Los Alamos National Laboratory (LANL)	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Bayer, Michael [2017 Summer Study on National Leadership Command Capability]	02/22/2011 04/13/2020 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member

Bond, Robert				Special
[2017 Summer Study on National Leadership Command Capability]	04/17/2017	04/16/2019	MIT Lincoln Laboratory	Government Employee (SGE) Member Special
Braddock, Joseph				Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]	04/17/2017	04/16/2019	Private Consultant	Government Employee (SGE) Member Special
Carns, Michael				Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]	07/02/2014	04/16/2019	Private Consultant	Government Employee (SGE) Member Special
Chambers, William				Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]	04/17/2017	04/16/2019	Institute of Defense Analysis	Government Employee (SGE) Member Special
Coleman, Victoria				Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]	04/18/2017	04/17/2018	WikiMedia	Government Employee (SGE) Member Special
Day, Christopher				Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]	05/22/2013	05/21/2021	Packet Forensics	Government Employee (SGE) Member Special
Duncan, Donald				Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]	04/17/2017	04/16/2019	Johns Hopkins University Applied Physics Laboratory (JHU/APL)	Government Employee (SGE) Member Special
Elliott, Michael				Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]	04/17/2017	04/16/2019	Private Consultant	Government Employee (SGE) Member Special
Fleischman, Jack				Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]	06/06/2018	06/06/2019	MIT Lincoln Laboratory	Government Employee (SGE) Member Special
Gold, Theodore				Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]	04/17/2017	04/16/2019	Private Consultant	Government Employee (SGE) Member Special
Gosler, James				Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]	01/11/2010	04/13/2020	Johns Hopkins University Applied Physics Laboratory (JHU/APL)	Government Employee (SGE) Member Special

Grasso, Al	01/03/2017	01/02/2018	MITRE Corporation	Special Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special
Guthrie, Priscilla	04/17/2017	04/16/2019	Institute for Defense Analysis	Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special
Harvey, John	04/17/2017	04/16/2019	Private Consultant	Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special
Hermann, Robert	04/17/2017	04/16/2019	Private Consultant	Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special
Ivanetich, Richard	04/17/2017	04/17/2018	Institute to Defense Analysis	Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special
John, Miriam	01/01/2000	04/13/2020	Private Consultant	Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special
Jones, Anita	01/01/1998	04/13/2020	University of Virginia	Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special
Kehler, Robert	04/17/2017	04/16/2019	Private Consultant	Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special
Kern, Paul	04/18/2017	04/17/2018	The Cohen Group	Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special
LaPlante, William	07/03/2018	07/04/2020	MITRE	Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special
Manferdelli, John	02/22/2012	02/21/2020	Northeastern University	Government Employee (SGE) Member Special
[2017 Summer Study on National Leadership Command Capability]				Government Employee (SGE) Member Special

				Special Government Employee (SGE) Member Special
Maybury, Mark [2017 Summer Study on National Leadership Command Capability]	05/21/2014	04/16/2019	MITRE Corporation	Government Employee (SGE) Member Special
Mies, Richard [2017 Summer Study on National Leadership Command Capability]	04/17/2017	04/16/2019	Private Consultant	Government Employee (SGE) Member Special
Miller, George [2017 Summer Study on National Leadership Command Capability]	04/17/2017	04/16/2019	Lawrence Livermore National Laboratory (LLNL)	Government Employee (SGE) Member Special
Miller, Judith [2017 Summer Study on National Leadership Command Capability]	01/03/2017	01/02/2018	Private Consultant	Government Employee (SGE) Member Special
Money, Arthur [2017 Summer Study on National Leadership Command Capability]	04/17/2017	04/16/2019	Private Consultant	Government Employee (SGE) Member Special
Rich, Michael [2017 Summer Study on National Leadership Command Capability]	01/19/2012	01/18/2020	RAND Corporation	Government Employee (SGE) Member Special
Schmidle, Robert [2017 Summer Study on National Leadership Command Capability]	04/17/2017	04/16/2019	Private Consultant	Government Employee (SGE) Member Special
Schneider, William [2017 Summer Study on National Leadership Command Capability]	03/19/2001	04/13/2020	International Planning Services, Inc.	Government Employee (SGE) Member Special
Shields, James [2017 Summer Study on National Leadership Command Capability]	02/29/2008	04/13/2020	Private Consultant	Government Employee (SGE) Member Special
Stein, Robert [2017 Summer Study on National Leadership Command Capability]	02/28/2008	04/13/2020	Private Consultant	Government Employee (SGE) Member Special
Tegnella, James [2017 Summer Study on National Leadership Command Capability]	01/16/2018	05/01/2018	University of New Mexico	Government Employee (SGE) Member Special

Ullrich, George [2017 Summer Study on National Leadership Command Capability]	04/17/2017 04/16/2019 Applied Research Associates (ARA)	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Van Wie, David [2017 Summer Study on National Leadership Command Capability]	04/17/2017 04/16/2019 Johns Hopkins University Applied Physics Laboratory (JHU/APL)	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Vitto, Vincent [2017 Summer Study on National Leadership Command Capability]	07/24/2013 06/05/2019 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Wagner, Richard [2017 Summer Study on National Leadership Command Capability]	04/17/2017 04/16/2019 Los Alamos National Laboratories (LANL)	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Walcott, Thomas [2017 Summer Study on National Leadership Command Capability]	04/17/2017 04/16/2019 National Security Agency	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Welch, Larry [2017 Summer Study on National Leadership Command Capability]	04/17/2017 04/16/2018 Institute for Defence Analyses	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Wheeler, Robert [2017 Summer Study on National Leadership Command Capability]	04/17/2017 04/16/2019 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Woods, Kevin [2017 Summer Study on National Leadership Command Capability]	04/17/2017 04/16/2019 Institute for Defense Analyses	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Alving, Amy [2018 Summer Study on Strategic Surprise]	05/22/2017 05/21/2021 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Anastasio, Michael [2018 Summer Study on Strategic Surprise]	02/21/2016 02/20/2020 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Bayer, Michael [2018 Summer Study on Strategic Surprise]	02/22/2015 02/21/2019 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member

Cappuccio, Frank [2018 Sumer Study on Strategic Surprise]	05/01/2018	01/23/2021	Private Consultant	Special Government Employee (SGE) Member Special
Carlini, James [2018 Sumer Study on Strategic Surprise]	07/24/2017	07/23/2021	Private Consultant	Government Employee (SGE) Member Special
Carns, Michael [2018 Sumer Study on Strategic Surprise]	06/26/2018	12/23/2018	Private Consultant	Government Employee (SGE) Member Special
Chakraborty, Arup [2018 Sumer Study on Strategic Surprise]	06/27/2018	07/01/2021	MIT Institute for Medical Engineering & Science	Government Employee (SGE) Member Special
Coleman, Victoria [2018 Sumer Study on Strategic Surprise]	06/18/2015	06/17/2019	CTO, Wikimedia Foundation	Government Employee (SGE) Member Special
Craig, Fields [2018 Sumer Study on Strategic Surprise]	01/03/2018	01/02/2019	Private Consultant	Government Employee (SGE) Member Special
David, Chu [2018 Sumer Study on Strategic Surprise]	01/10/2018	01/09/2022	President, Institute for Defense Analysis	Government Employee (SGE) Member Special
David, Ruth [2018 Sumer Study on Strategic Surprise]	01/10/2018	01/09/2022	Private Consultant	Government Employee (SGE) Member Special
Day, Christopher [2018 Sumer Study on Strategic Surprise]	05/22/2017	05/21/2021	Cyxtera	Government Employee (SGE) Member Special
Delaney, William [2018 Sumer Study on Strategic Surprise]	04/14/2016	04/13/2020	MIT Lincoln Labs	Government Employee (SGE) Member Special
Evans, Eric [2018 Sumer Study on Strategic Surprise]	01/02/2018	04/03/2020	Director, MIT Lincoln Labs	Government Employee (SGE) Member



Fallon, William [2018 Sumer Study on Strategic Surprise]	01/10/2018	01/09/2022	Private Consultant	Special Government Employee (SGE) Member Special
Fields, Craig [2018 Sumer Study on Strategic Surprise]	01/03/2018	01/02/2019	Private Consultant	Government Employee (SGE) Member Special
Gabriel, Kaigham [2018 Sumer Study on Strategic Surprise]	06/29/2016	06/28/2020	President, CEO of Charles Stark Draper Labs	Government Employee (SGE) Member Special
Gosler, James [2018 Sumer Study on Strategic Surprise]	01/10/2018	01/09/2022	JHU, Applied Physics Lab	Government Employee (SGE) Member Special
Grasso, Al [2018 Sumer Study on Strategic Surprise]	01/10/2018	01/09/2022	Private Consultant	Government Employee (SGE) Member Special
Hoeper, Paul [2018 Sumer Study on Strategic Surprise]	01/10/2018	01/09/2022	Private Consultant	Government Employee (SGE) Member Special
John, Miriam [2018 Sumer Study on Strategic Surprise]	01/03/2018	04/13/2020	Private Consultant	Government Employee (SGE) Member Special
Jones, Anita [2018 Sumer Study on Strategic Surprise]	05/01/2018	04/30/2019	University of Virginia	Government Employee (SGE) Member Special
Kaminski, Paul [2018 Sumer Study on Strategic Surprise]	05/01/2018	04/13/2020	Technovation, Inc.	Government Employee (SGE) Member Special
Kerber, Roanld [2018 Sumer Study on Strategic Surprise]	04/14/2016	04/14/2020	Advanced Technology, Int.	Government Employee (SGE) Member Special
Kern, Paul [2018 Sumer Study on Strategic Surprise]	01/10/2018	01/09/2022	The Cohen Group	Government Employee (SGE) Member

Laplante, William				Special
[2018 Sumer Study on Strategic Surprise]	07/03/2018	04/04/2020	MITRE	Government Employee (SGE) Member Special
Manferdelli, John				Government Employee (SGE) Member Special
[2018 Sumer Study on Strategic Surprise]	05/01/2018	02/21/2020	Northeastern University	Government Employee (SGE) Member Special
Markowitz, Joseph				Government Employee (SGE) Member Special
[2018 Sumer Study on Strategic Surprise]	05/16/2018	12/31/2018	Private Consultant	Government Employee (SGE) Member Special
Maybury, Mark				Government Employee (SGE) Member Special
[2018 Sumer Study on Strategic Surprise]	05/17/2018	12/31/2018	CFO, Stanley Black and Decker	Government Employee (SGE) Member Special
Miller, James				Government Employee (SGE) Member Special
[2018 Sumer Study on Strategic Surprise]	01/10/2018	01/09/2022	Private Consultant	Government Employee (SGE) Member Special
Miller, Judith				Government Employee (SGE) Member Special
[2018 Sumer Study on Strategic Surprise]	01/11/2014	01/10/2018	Priavate Consultant	Government Employee (SGE) Member Special
Nesbit, Robert				Government Employee (SGE) Member Special
[2018 Sumer Study on Strategic Surprise]	05/17/2018	11/13/2018	Private Consultant	Government Employee (SGE) Member Special
Nielson, Paul				Government Employee (SGE) Member Special
[2018 Sumer Study on Strategic Surprise]	05/09/2017	05/08/2021	Private Consultant	Government Employee (SGE) Member Special
Rich, Michael				Government Employee (SGE) Member Special
[2018 Sumer Study on Strategic Surprise]	01/19/2016	01/18/2020	RAND	Government Employee (SGE) Member Special
Russell, Mark				Government Employee (SGE) Member Special
[2018 Sumer Study on Strategic Surprise]	06/04/2018	07/05/2020	Raytheon	Government Employee (SGE) Member Special
Schneider, William				Government Employee (SGE) Member Special
[2018 Sumer Study on Strategic Surprise]	01/02/2018	04/13/2020	Private Consultant	Government Employee (SGE) Member Special

Semmel, Ralph [2018 Sumer Study on Strategic Surprise]	05/17/2018 05/21/2021 Director, Johns Hopkins Applied Physics Lab	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Shields, James [2018 Sumer Study on Strategic Surprise]	01/01/2018 05/21/2021 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Stein, Robert [2018 Sumer Study on Strategic Surprise]	01/02/2018 04/13/2020 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Straw, Edward [2018 Sumer Study on Strategic Surprise]	05/16/2018 05/22/2020 Osprey Venture Partners, LLC	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Tegnelia, James [2018 Sumer Study on Strategic Surprise]	01/10/2018 01/09/2022 University of New Mexico	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Van Buren, David [2018 Sumer Study on Strategic Surprise]	05/17/2018 05/21/2021 L3 Technologies	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Vitto, Vince [2018 Sumer Study on Strategic Surprise]	07/24/2017 07/23/2021 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Von Thaer, Lou [2018 Sumer Study on Strategic Surprise]	01/10/2018 01/09/2022 Battelle	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Whelan, David [2018 Sumer Study on Strategic Surprise]	01/10/2018 01/09/2022 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Wisnieff, Robert [2018 Sumer Study on Strategic Surprise]	01/02/2018 04/13/2020 IBM	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Breedlove, Philip [Task Force on 21st Century Multi-Domain Effects]	06/08/2017 06/07/2019 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member

Buchanan, Walter [Task Force on 21st Century Multi-Domain Effects]	06/08/2017	06/07/2019	Private Consultant	Special Government Employee (SGE) Member Special
Carlini, James [Task Force on 21st Century Multi-Domain Effects]	07/24/2013	06/05/2019	Private Consultant	Government Employee (SGE) Member Special
Coon, Andrew [Task Force on 21st Century Multi-Domain Effects]	06/08/2017	06/07/2019	STR	Government Employee (SGE) Member Special
Costa, Lisa [Task Force on 21st Century Multi-Domain Effects]	06/08/2017	06/07/2019	Consultant	Government Employee (SGE) Member Special
Ehrard, Thomas [Task Force on 21st Century Multi-Domain Effects]	05/01/2018	09/21/2019	Long Term Strategy Group	Government Employee (SGE) Member Special
Lemnios, Zachary [Task Force on 21st Century Multi-Domain Effects]	06/08/2017	06/07/2019	IBM	Government Employee (SGE) Member Special
Skinner, Mark [Task Force on 21st Century Multi-Domain Effects]	06/08/2018	06/07/2019	Northrop Grumman	Government Employee (SGE) Member Special
Stokes, Grant [Task Force on 21st Century Multi-Domain Effects]	06/08/2018	06/07/2019	MIT Lincoln Labs	Government Employee (SGE) Member Special
Van Buren, David [Task Force on 21st Century Multi-Domain Effects]	05/22/2013	05/21/2021	L-3 Technologies	Government Employee (SGE) Member Special
Vitto, Vince [Task Force on 21st Century Multi-Domain Effects]	04/14/2014	06/05/2019	Private Consultant	Government Employee (SGE) Member Special
Whelan, David [Task Force on 21st Century Multi-Domain Effects]	05/18/2018	05/18/2019	Private Consultant	Government Employee (SGE) Member

Wilkening, Dean [Task Force on 21st Century Multi-Domain Effects]	06/07/2018	06/06/2019	JH/APL
Bajaj, Vikram [Task Force on Biology]	09/17/2017	09/16/2019	Verily
Chakraborty, Arup [Task Force on Biology]	07/02/2013	07/01/2021	MIT
Fortune, Sarah [Task Force on Biology]	09/18/2017	09/17/2019	Harvard
Kiessling, Laura [Task Force on Biology]	02/05/2018	02/04/2020	University of Wisconsin- Madison
Littman, Dan [Task Force on Biology]	09/18/2017	09/17/2019	New York University
Regev, Aviv [Task Force on Biology]	09/18/2017	09/17/2019	Broad Institute
Sharp, Philip [Task Force on Biology]	09/18/2017	09/17/2019	MIT
Voigt, Christopher [Task Force on Biology]	09/18/2017	09/17/2019	MIT
Walt, David [Task Force on Biology]	09/18/2017	09/17/2019	Tufts University
Whitesides, George [Task Force on Biology]	06/30/2017	06/29/2019	Harvard

			Special Government Employee (SGE) Member Special
Carlini, James [Task Force on Counter Autonomy]	01/11/2018	07/23/2021 Leidos	Government Employee (SGE)
David, Ruth [Task Force on Counter Autonomy]	01/11/2018	01/10/2022 Private Consultant	Member Special Government Employee (SGE)
Grasso, Alfred [Task Force on Counter Autonomy]	01/11/2018	01/10/2022 Private Consultant	Member Special Government Employee (SGE)
Markowitz, Joseph [Task Force on Counter Autonomy]	05/21/2018	05/20/2022 Private Consultant	Member Special Government Employee (SGE)
Maybury, Mark [Task Force on Counter Autonomy]	05/21/2018	05/20/2022 Stanley Black and Decker	Member Special Government Employee (SGE)
Vitto, Vincent [Task Force on Counter Autonomy]	04/14/2018	07/23/2021 Private Consultant	Member Special Government Employee (SGE)
Babcock, Jim [Task Force on Cyber as a Strategic Capability]	10/05/2016	10/04/2018 Private Consultant	Member Special Government Employee (SGE)
Butler, Robert [Task Force on Cyber as a Strategic Capability]	10/05/2016	10/04/2018 Private Consultant	Member Special Government Employee (SGE)
Duncan, Donald [Task Force on Cyber as a Strategic Capability]	10/12/2016	10/11/2018 JHU/APL	Member Special Government Employee (SGE)
Ennis, Dan [Task Force on Cyber as a Strategic Capability]	10/05/2016	10/04/2018 Private Consultant	Member Special Government Employee (SGE)
Gosler, James [Task Force on Cyber as a Strategic Capability]	01/11/2010	04/13/2020 JHU/APL	Member Special Government Employee (SGE)

Keogh, Joe [Task Force on Cyber as a Strategic Capability]	10/05/2016 10/04/2018 Booz Allen Hamilton	Special Government Employee (SGE) Member
Manferdelli, John [Task Force on Cyber as a Strategic Capability]	02/22/2012 02/21/2020 Institute for Security and Privacy and Practice	Special Government Employee (SGE) Member
Markowitz, Joe [Task Force on Cyber as a Strategic Capability]	05/21/2014 06/05/2019 Private Consultant	Special Government Employee (SGE) Member
Miller, James [Task Force on Cyber as a Strategic Capability]	01/11/2014 04/16/2019 JHU/APL	Special Government Employee (SGE) Member
Miller, Judith [Task Force on Cyber as a Strategic Capability]	01/11/2010 01/10/2018 Private Consultant	Special Government Employee (SGE) Member
Nesbit, Robert [Task Force on Cyber as a Strategic Capability]	05/21/2014 01/11/2019 Private Consultant	Special Government Employee (SGE) Member
Sattler, John [Task Force on Cyber as a Strategic Capability]	10/05/2016 10/04/2018 Private Consultant	Special Government Employee (SGE) Member
Shea, Teresa [Task Force on Cyber as a Strategic Capability]	10/05/2016 10/04/2018 Private Consultant	Special Government Employee (SGE) Member
Walcott, Thomas [Task Force on Cyber as a Strategic Capability]	10/05/2016 10/04/2018 Cyber National Mission Force, U.S Cyber Command	Special Government Employee (SGE) Member
Warner, Leigh [Task Force on Cyber as a Strategic Capability]	10/05/2016 10/04/2018 Private Consultant	Special Government Employee (SGE) Member
Williams, Brett [Task Force on Cyber as a Strategic Capability]	10/05/2016 10/04/2018 Private Consultant	Special Government Employee (SGE) Member

Wilson, Rick [Task Force on Cyber as a Strategic Capability]	10/05/2016 10/04/2018 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Anastasio, Michael [Task Force on Defense Industrial Base]	02/16/2018 02/15/2019 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Carlini, James [Task Force on Defense Industrial Base]	05/17/2017 05/17/2018 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Evans, Eric [Task Force on Defense Industrial Base]	01/02/2018 04/13/2020 Director, MIT Lincoln Labs	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Hoeper, Paul [Task Force on Defense Industrial Base]	05/18/2017 05/18/2019 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kaminski, Paul [Task Force on Defense Industrial Base]	05/01/2018 04/13/2020 Chairman & CEO, Technovation Inc.	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Manferdelli, John [Task Force on Defense Industrial Base]	02/15/2018 02/14/2019 Executive Director, institute for Security and Privacy and Practice, Northeastern University	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Schneider, William [Task Force on Defense Industrial Base]	01/02/2018 01/01/2019 President, International Planning Services Inc.	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Straw, Edward [Task Force on Defense Industrial Base]	05/16/2018 05/22/2020 Managing Partner, Osprey Venture Partners, LLC	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Tegnelia, James [Task Force on Defense Industrial Base]	01/16/2018 01/15/2019 Private Consultant	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Whelan, Dave [Task Force on Defense Industrial Base]	01/10/2018 01/09/2019 Professor of Practice, Jacobs School of Engineering	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member



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Carlini, James					Special Government Employee (SGE) Member
[Task Force on Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction]	12/29/2015	12/29/2017	Private Consultant		Special Government Employee (SGE) Member
Carns, Michael					Special Government Employee (SGE) Member
[Task Force on Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction]	06/26/2018	12/23/2018	Private Consultant		Special Government Employee (SGE) Member
Chakraborty, Arup					Special Government Employee (SGE) Member
[Task Force on Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction]	06/27/2018	07/01/2021	MIT		Special Government Employee (SGE) Member
John, Miriam					Special Government Employee (SGE) Member
[Task Force on Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction]	05/01/2018	04/13/2020	Private Consultant		Special Government Employee (SGE) Member
Kern, Paul					Special Government Employee (SGE) Member
[Task Force on Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction]	01/02/2018	05/01/2018	The Cohen Group		Special Government Employee (SGE) Member
Manferdelli, Paul					Special Government Employee (SGE) Member
[Task Force on Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction]	05/01/2018	02/21/2020	Northeastern University		Special Government Employee (SGE) Member
Miller, James					Special Government Employee (SGE) Member
[Task Force on Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction]	12/29/2015	12/29/2017	Private Consultant		Special Government Employee (SGE) Member
Schneider, Jr., William					Special Government Employee (SGE) Member
[Task Force on Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction]	01/02/2018	04/13/2020	International Planning Services, Inc.		Special Government Employee (SGE) Member
Strano, Michael					Special Government Employee (SGE) Member
[Task Force on Deterring, Preventing, and Responding to the Threat or Use of Weapons of Mass Destruction]	12/29/2015	12/29/2017	MIT		Special Government Employee (SGE) Member
Alving, Amy					Special Government Employee (SGE) Member
[Task Force on DoD's Role in Homeland Defense]	05/22/2013	05/21/2021	Private Consultant		Special Government Employee (SGE) Member
Carpenter, Ray					Special Government Employee (SGE) Member
[Task Force on DoD's Role in Homeland Defense]	11/09/2016	11/08/2018	Private Consultant		Special Government Employee (SGE) Member

[Task Force on DoD's Role in Homeland Defense] 01/02/2017 01/01/2018 Private Consultant

Special  
Government  
Employee  
(SGE)  
Member

[Task Force on DoD's Role in Homeland Defense] 05/01/2018 05/21/2021 Cryxtera

Special  
Government  
Employee  
(SGE)  
Member

[Task Force on DoD's Role in Homeland Defense] 01/03/2017 01/02/2018 MIT Lincoln Lab

Special  
Government  
Employee  
(SGE)  
Member

[Task Force on DoD's Role in Homeland 10/24/2016 10/23/2018 Capitol Peak Assessment Management Defense]

Special  
Government  
Employee  
(SGE)  
Member

[Task Force on DoD's Role in Homeland Defense] 05/01/2018 04/13/2020 Private Consultant

Special  
Government  
Employee  
(SGE)  
Member

[Task Force on DoD's Role in Homeland 01/02/2018 04/13/2020 Advanced Technology International Defense]

Special  
Government  
Employee  
(SGE)  
Member

[Task Force on DoD's Role in Homeland 10/23/2017 10/22/2018 RAND Corp.  
Defense]

Special  
Government  
Employee  
(SGE)  
Member

[Task Force on DoD's Role in Homeland Defense] 05/16/2018 12/31/2018 Private Consultant

Special  
Government  
Employee  
(SGE)  
Member

[Task Force on DoD's Role in Homeland Defense] 10/24/2016 10/23/2018 Private Consultant

Special  
Government  
Employee  
(SGE)  
Member

[Task Force on DoD's Role in Homeland Defense] 01/02/2017 01/01/2018 Private Consultant

Special  
Government  
Employee  
(SGE)  
Member

[Task Force on DoD's Role in Homeland Defense] 10/24/2016 10/23/2018 ANSER Corporation

Special  
Government  
Employee  
(SGE)  
Member

Rosenblum, Todd		Special Government Employee (SGE) Member
[Task Force on DoD's Role in Homeland Defense]	10/24/2016 10/23/2018 IBM	
Straw, Edward		Special Government Employee (SGE) Member
[Task Force on DoD's Role in Homeland Defense]	05/16/2018 05/22/2020 Private Consultant	
Verga, Peter		Special Government Employee (SGE) Member
[Task Force on DoD's Role in Homeland Defense]	10/24/2016 10/23/2018 USD(P)	
Warner, Leigh		Special Government Employee (SGE) Member
[Task Force on DoD's Role in Homeland Defense]	10/23/2017 10/22/2018 Private Consultant	
Carns, Michael		Special Government Employee (SGE) Member
[Task Force on Gaming, Exercising, Modeling, and Simulation]	07/02/2018 07/01/2022 Private Consultant	
David, Ruth		Special Government Employee (SGE) Member
[Task Force on Gaming, Exercising, Modeling, and Simulation]	01/11/2018 01/10/2022 Private Consultant	
Jones, Anita		Special Government Employee (SGE) Member
[Task Force on Gaming, Exercising, Modeling, and Simulation]	05/01/2018 04/13/2020 University of Virginia	
Laplante, William		Special Government Employee (SGE) Member
[Task Force on Gaming, Exercising, Modeling, and Simulation]	07/03/2018 07/04/2020 Mitre	
Paul, Hoyer		Special Government Employee (SGE) Member
[Task Force on Gaming, Exercising, Modeling, and Simulation]	01/11/2018 01/10/2022 Private Consultant	
Russell, Mark		Special Government Employee (SGE) Member
[Task Force on Gaming, Exercising, Modeling, and Simulation]	06/04/2018 07/05/2020 Private Consultant	
Day, Christopher		Special Government Employee (SGE) Member
[Task Force on Strategic Directions]	04/18/2017 04/17/2021 Cyxtera	

Evans, Eric [Task Force on Strategic Directions]	01/10/2018	01/09/2022	MIT Lincoln Labs	Special Government Employee (SGE) Member Special Government
Fields, Craig [Task Force on Strategic Directions]	01/03/2018	04/13/2020	Private Consultant	Employee (SGE) Member Special Government
Gosler, James [Task Force on Strategic Directions]	05/01/2018	05/21/2021	JHU/APL	Employee (SGE) Member Special Government
LaPlante, William [Task Force on Strategic Directions]	07/03/2018	07/04/2020	The MITRE Corporation	Employee (SGE) Member Special Government
Miller, James [Task Force on Strategic Directions]	04/18/2018	04/17/2021	Private Consultant	Employee (SGE) Member Special Government
Miller, Judith [Task Force on Strategic Directions]	01/02/2018	01/01/2021	Private Consultant	Employee (SGE) Member Special Government
Bash, Brooks [Task Force on Survivable Logistics]	03/20/2018	03/19/2020	AAR Corporation	Employee (SGE) Member Special Government
Dail, Robert [Task Force on Survivable Logistics]	05/29/2018	05/28/2019	Private Consultant	Employee (SGE) Member Special Government
Dietrich, John [Task Force on Survivable Logistics]	05/29/2018	05/28/2019	Atlas Air Worldwide	Employee (SGE) Member Special Government
Ebeling, Eric [Task Force on Survivable Logistics]	05/29/2018	05/28/2019	ARC	Employee (SGE) Member Special Government
Flynn, William [Task Force on Survivable Logistics]	05/28/2018	05/29/2019	Atlas Air Worldwide	Employee (SGE) Member

Harnitchek, Mark [Task Force on Survivable Logistics]	05/28/2018 05/28/2019	Beoing	Special Government Employee (SGE) Member Special Government
Hoeper, Paul [Task Force on Survivable Logistics]	04/18/2017 04/17/2018	Private Consultant	Employee (SGE) Member Special Government
Kelly, Christopher [Task Force on Survivable Logistics]	05/29/2018 05/28/2019	National Defense University	Employee (SGE) Member Special Government
Kenwell, Bill [Task Force on Survivable Logistics]	05/28/2018 05/28/2019	Private Consultant	Employee (SGE) Member Special Government
Kern, Paul [Task Force on Survivable Logistics]	04/18/2017 04/17/2018	The Cohen group	Employee (SGE) Member Special Government
Leonard, Kevin [Task Force on Survivable Logistics]	05/30/2017 05/29/2018	Vectrus	Employee (SGE) Member Special Government
Matthews, Earl [Task Force on Survivable Logistics]	05/28/2018 05/28/2019	Private Consultant	Employee (SGE) Member Special Government
McNabb, Duncan [Task Force on Survivable Logistics]	05/28/2018 05/28/2019	Ares Mobility Solutions	Employee (SGE) Member Special Government
Ramsay, Mark [Task Force on Survivable Logistics]	05/30/2017 05/29/2019	Private Consultant	Employee (SGE) Member Special Government
Stevenson, Mitch [Task Force on Survivable Logistics]	05/29/2018 05/28/2019	Leidos	Employee (SGE) Member Special Government
Straw, Edward [Task Force on Survivable Logistics]	05/16/2018 05/22/2020	Private Consultant	Employee (SGE) Member

Alving, Amy [Task Force on Technology Strategy]	05/22/2017	05/21/2021	Private Consultant	Special Government Employee (SGE) Member Special Government
Anastasio, Michael [Task Force on Technology Strategy]	02/21/2016	02/20/2020	Private Consultant	Employee (SGE) Member Special Government
Bayer, Michael [Task Force on Technology Strategy]	02/22/2015	02/21/2019	Private Consultant	Employee (SGE) Member Special Government
Cappuccio, Frank [Task Force on Technology Strategy]	08/15/2016	08/14/2020	Private Consultant	Employee (SGE) Member Special Government
Carlini, James [Task Force on Technology Strategy]	07/24/2017	07/23/2021	Private Consultant	Employee (SGE) Member Special Government
Carns, Michael [Task Force on Technology Strategy]	07/02/2014	07/01/2018	Private Consultant	Employee (SGE) Member Special Government
Chakraborty, Arup [Task Force on Technology Strategy]	07/02/2017	07/02/2021	MIT	Employee (SGE) Member Special Government
Coleman, Victoria [Task Force on Technology Strategy]	06/18/2015	06/17/2019	Private Consultant	Employee (SGE) Member Special Government
David, Chu [Task Force on Technology Strategy]	01/10/2018	01/09/2022	Institute for Defense Analysis	Employee (SGE) Member Special Government
David, Ruth [Task Force on Technology Strategy]	01/10/2018	01/09/2022	Private Consultant	Employee (SGE) Member Special Government
Day, Christopher [Task Force on Technology Strategy]	05/22/2017	05/21/2021	Cyxtera	Employee (SGE) Member

[illegible]



Kerber, Ronald [Task Force on Technology Strategy]	04/14/2016	04/13/2020	Advanced Technology International	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE)
Kern, Paul [Task Force on Technology Strategy]	01/10/2018	01/09/2022	Private Consultant	Member Special Government Employee (SGE) Member Special Government Employee (SGE)
LaPlante, William [Task Force on Technology Strategy]	07/05/2016	07/04/2020	MITRE	Government Employee (SGE) Member Special Government Employee (SGE)
Manferdelli, John [Task Force on Technology Strategy]	02/22/2016	02/21/2020	Northeastern University	Member Special Government Employee (SGE) Member Special Government Employee (SGE)
Markowitz, Joseph [Task Force on Technology Strategy]	05/18/2018	05/17/2019	Private Consultant	Member Special Government Employee (SGE) Member Special Government Employee (SGE)
Maybury, Mark [Task Force on Technology Strategy]	05/21/2014	05/20/2018	Stanley Black and Decker	Government Employee (SGE) Member Special Government Employee (SGE)
Miller, James [Task Force on Technology Strategy]	01/11/2014	01/10/2018	Private Consultant	Member Special Government Employee (SGE) Member Special Government Employee (SGE)
Miller, Judith [Task Force on Technology Strategy]	01/10/2018	01/09/2022	Private Consultant	Member Special Government Employee (SGE) Member Special Government Employee (SGE)
Nesbit, Robert [Task Force on Technology Strategy]	05/20/2018	05/19/2022	Private Consultant	Member Special Government Employee (SGE) Member Special Government Employee (SGE)
Nielson, Paul [Task Force on Technology Strategy]	05/09/2017	05/08/2021	Software Engineering Inst.	Government Employee (SGE) Member Special Government Employee (SGE)
Rich, Michael [Task Force on Technology Strategy]	01/19/2016	01/18/2020	RAND	Government Employee (SGE) Member Special Government Employee (SGE)

Russell, Mark [Task Force on Technology Strategy]	07/06/2016	07/05/2020	Ratheon	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Schneider, William [Task Force on Technology Strategy]	01/02/2018	01/01/2019	Private Consultant	Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Semmel, Ralph [Task Force on Technology Strategy]	05/22/2017	05/21/2021	Director, JHU APL	Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Shields, James [Task Force on Technology Strategy]	02/28/2016	02/27/2020	Private Consultant	Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Stein, Robert [Task Force on Technology Strategy]	02/28/2016	02/27/2020	Private Consultant	Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Straw, Edward [Task Force on Technology Strategy]	05/23/2016	05/22/2020	Osprey Venture Partners, LLC	Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Tegnelia, James [Task Force on Technology Strategy]	01/10/2018	01/09/2022	University of New Mexico	Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Van Buren, David [Task Force on Technology Strategy]	05/22/2017	05/21/2021	L3 Technologies	Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Vitto, Vince [Task Force on Technology Strategy]	07/24/2017	07/23/2021	Private Consultant	Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Von Thayer, Lou [Task Force on Technology Strategy]	01/10/2018	01/09/2022	Battelle	Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Whelan, David [Task Force on Technology Strategy]	01/10/2018	01/09/2022	Private Consultant	Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member

**Number of Committee Members Listed: 334**

### **Narrative Description**

The DSB advises the Secretary and Deputy Secretary of Defense; the Under Secretary of Defense for Research and Engineering (USD(R&E)); the Chairman of the Joint Chiefs of Staff; and, as requested, other OSD Principal Staff Assistants, the Secretaries of the Military Departments, the Commanders of the Combatant Commands on scientific, technical, manufacturing, acquisition process, and other matters of special interest to the Department of Defense.

### **What are the most significant program outcomes associated with this committee?**

Checked if Applies

- |   |                                     |
|---|-------------------------------------|
| Improvements to health or safety                  | <input checked="" type="checkbox"/> |
| Trust in government                               | <input checked="" type="checkbox"/> |
| Major policy changes                              | <input checked="" type="checkbox"/> |
| Advance in scientific research                    | <input checked="" type="checkbox"/> |
| Effective grant making                            | <input type="checkbox"/>            |
| Improved service delivery                         | <input type="checkbox"/>            |
| Increased customer satisfaction                   | <input type="checkbox"/>            |
| Implementation of laws or regulatory requirements | <input type="checkbox"/>            |
| Other   | <input type="checkbox"/>            |

### **Outcome Comments**

Not Applicable

### **What are the cost savings associated with this committee?**

Checked if Applies

- |                            |                                     |
|----------------------------|-------------------------------------|
| None                       | <input type="checkbox"/>            |
| Unable to Determine        | <input checked="" type="checkbox"/> |
| Under \$100,000            | <input type="checkbox"/>            |
| \$100,000 - \$500,000      | <input type="checkbox"/>            |
| \$500,001 - \$1,000,000    | <input type="checkbox"/>            |
| \$1,000,001 - \$5,000,000  | <input type="checkbox"/>            |
| \$5,000,001 - \$10,000,000 | <input type="checkbox"/>            |
| Over \$10,000,000          | <input type="checkbox"/>            |

**Cost Savings Comments**

All Board members and ad hoc consultants serve without compensation. The Defense Science Board possesses 45 members, as well as approximately 100 ad hoc consultants. The cost of acquiring and paying for the services of individuals possessing their level of expertise would total approximately \$2.5 - \$4.5 million per year. The savings arising from using volunteers pales in comparison to the improved performance DoD experiences from implementing recommendations made by the Board. Some performance improvements achieve real savings and some achieve cost avoidance. At other times, recommendations may call for obtaining new capability to counter new threats. The total savings is impossible to determine due to the complex mix of savings, avoidance and increased capability.

**What is the approximate Number of recommendations produced by this committee for the life of the committee?**

1,673

**Number of Recommendations Comments**

The DSB existed before FACA. The number of recommendations is approximate. In FY18 the DSB issued 105 recommendations (7 in Design and Acquisition of Software for Defense Systems, 16 in Cyber as a Strategic Capability, 33 in Survivable Logistics (written report in progress), 25 in Homeland Defense (written report in progress), 24 in WMD, and 9 in LRE).

**What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?**

75%

**% of Recommendations Fully Implemented Comments**

DSB recommendations often deal with new concepts and capabilities. Quite often, after additional study, DoD attempts to incorporate those concepts and capabilities that it finds relevant to its mission. Interest in previous studies remains strong.

**What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?**

75%

**% of Recommendations Partially Implemented Comments**

In FY 2018, four reports were published on the DSB website (Design and Acquisition of Software for Defense Systems; Deterring, Preventing, and Responding to the threat or Use of WMDS; Countering Anti-Access Systems with Longer Range and Standoff Capabilities (2017 Summer Study); and Cyber as a Strategic Capability). Recommendations across all of these activities influence the Department and are still under deliberation. DSB recommendations often deal with new concepts and capabilities. Quite often, after additional study, DoD attempts to incorporate those concepts and capabilities that it finds relevant to its mission. Interest in previous studies remains strong.

**Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?**

Yes ☒ No ☐ Not Applicable ☐

**Agency Feedback Comments**

The DSB requests comment from interested parties when issuing a report. Comments are published when received.

**What other actions has the agency taken as a result of the committee's advice or recommendation?**

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

**Action Comments**

DSB recommendations often deal with new concepts and capabilities. Quite often, after additional study, DoD attempts to incorporate those concepts and capabilities that it finds relevant to its mission. Interest in previous studies remains strong.

**Is the Committee engaged in the review of applications for grants?**

No

**Grant Review Comments**

NA

**How is access provided to the information for the Committee's documentation?**

	Checked if Applies
Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input type="checkbox"/>
Publications	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

**Access Comments**

N/A